PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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	TIMET TAX		Attorne	y Docket No.	1875.1680008				
UTILITY DATENT ADDI ICATION			First In	ventor	Adel FANOUS				
PATENT APPLICATION TRANSMITTAL (only for new nonprovisional applications under 37 CFR 1.53(b))			Title		Method and System for Implementing Autonom Automatic Gain Control in a Low Noise Broad Distribution Amplifier				
			Express	Mail Label No).				
	APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent applications		ADDR	ESS TŌ:	Mail Stop Patent Commissioner fo P.O. Box 1450 Alexandria VA 2	r Patents	278 U 10/6		
1. 🛛	Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing	;)	 7. CD-ROM or CD-R in duplicate, large table or Computer (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission 						
2.	Applicant claims small entity status.	·	(if applicable, all necessary)						
. 151	See 37 CFR 1.27.		a. Computer Readable Form (CRF) b. Specification Sequence Listing on:						
3. Specification [Total Pages 36] (preferred arrangement set forth below)			i. CD-ROM or CD-R (2 copies); or						
	- Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D			ii. 🔲 pap	per	•	following Post		
	- Reference to sequence listing, a table, or a computer program listing appendix		c. Statements verifying identity of above copies				Ş,		
	- Background of the Invention - Brief Summary of the Invention	Г				PLICATION PARTS	s G		
	- Brief Description of the Drawings (if filed) - Detailed Description	F	·	, necon		Biolition			
	- Claim(s) - Abstract of the Disclosure		9. 🛛	Assignment I	Papers (cover sheet	& documents)	receive		
4. 🛛	Drawing(s) (35 U.S.C. 113) [Total Sheets	<u>23</u> 1	10.	37 CFR 3.73 (when there is	(b) Statement an assignee)	Nower of Attorney	rec 177		
5. Oath	or Declaration [Total Pages	31	11.	English Trans	slation Document	(if applicable)	not		
a.	. Newly executed (original or copy)		12.	Information I	Disclosure DS)/PTO-1449	Copies of IDS	did i		
b.	Copy from a prior application (37 CFR (for continuation/divisional with Box 18 con		13.	Preliminary A	,	Citations			
	i. DELETION OF INVENTOR		14.		ırn Receipt Postcar	ds (MPEP 503)	PTO c. 1te		
	Signed statement attached deleting named in the prior application, s 1.63(d)(2) and 1.33(b).	ee 37 CFR	15. 🖂	•	cifically itemized) by of Priority Docu	ment(s)	Tho		
6. 🛛	Application Data Sheet. (See 37 CFR 1.76).		Ц	(if foreign prio	rity is claimed)	(5)			
<i>у.</i> Ба	Application Data Silect. (See 37 Cl R 1.70).		16.		n Request under 35 U 35 or its equivalent.	.S.C. 122 (b)(2)(B)(i). App	olicant must attach		
]:	17. 🔯	Other: Au	thorization Under	37 C.F.R. § 1.136(a)(3)			
			\boxtimes	Other: The	e name of the assig	nee is: Broadcom Corp	oration .		
Data	CONTINUING APPLICATION, check appropriate Sheet under 37 CFR 1.76: Continuation of prior application no: 10/21. Prior application information: Examiner:	1,327 □ Divisiona	.i	□ Continuatio	n-in-Part (CIP)	minary amendment, or i	n an Application		
	TINUATION OR DIVISIONAL APPS only: The	entire disclosure of th	e prior ap	oplication, from	which an oath or				
considere relied upo	ed a part of the disclosure of the accompanying con on when a portion has been inadvertently omitted f	tinuation or divisional rom the submitted app	l applicati plication p	on and is hereby arts.	y incorporated by r	eference. The incorpora	ition <u>can only</u> be		
		19. CORRESPON	DENCE	ADDRESS					
	ustomer Number 26111				or Correspon	dence address below			
⊠ Cu		E STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.							
	STERNE, KESSLER, GOLDSTEIN &		Attorneys at Law						
NAME	STERNE, KESSLER, GOLDSTEIN & Attorneys at Law	17					-		
NAME ADDRES	STERNE, KESSLER, GOLDSTEIN & Attorneys at Law SS 1100 New York Avenue, NV		г	OC.	7IP CODE	20005-3934			
NAME ADDRES CITY	STERNE, KESSLER, GOLDSTEIN & Attorneys at Law SS 1100 New York Avenue, NV Washington	STATE		OC 1-2600	ZIP CODE	20005-3934			
NAME ADDRES CITY COUNT	STERNE, KESSLER, GOLDSTEIN & Attorneys at Law SS 1100 New York Avenue, NV Washington		(202) 37		FAX	20005-3934 (202) 371-2540 52,374			

This collection of information is required by 37 CFR 1.35(b). The linoritation is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/17 (08-03)
Approved for use through 07/31/2006. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons

<u>.</u>	FEE TRANSMITTAL						
1591	for FY 2003						
	1/01/2003. Patent fees are subject to annual revision.						
C							

Applicant claims small entity status. See 37 CFR 1.27 TAL AMOUNT OF PAYMENT

(\$) 790.00

s are required to respond to a c	offection of information unless it displays a valid OMB control number.
	Complete if Known
Application Number	To B Assigned
Filing Date	Her with
First Named Inventor	Ad I FANOUS
Examiner Name	To Be Assign d
Art Unit	To Be Assign d
Attorney Docket No.	1875.1680008

		Attorney	Docke	t No.	1875.16800	08		
METHOD OF PAYMENT (check all that apply)				FE	EE CALCULATION (c	ontinued)		
Out to Manage Order Mathematic	3. ADDITIONAL FEES							
□ Check ☒ Credit card □ Money Order ☒ Other** □ None ** Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.	Large	Entity	Sm	all Enti	ity			
calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.	Fee	Fee Fee	Fee		Fee Description			Fee Paid
Deposit Account Deposit Account Number 19-0036	Code	(\$) Co			, 55 5550, p			
Deposit Account Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.	1051	130	2051	65	Surcharge - late filing fe	ee or oath		
The Commissioner is authorized to: (check all that apply)	1502	50	2052	25	Surcharge-late provisio sheet	nal filing fee	or cover	
☐ Charge fee(s) indicated below ☐ Credit any over payments	1053	130	1053	130	Non-English specification	on		
☐ Charge any additional fee(s) during the pendency of this	1812	2,520	1812	2,520	For filing a request for e	ex parte reex	amination	
application	1804	920*	1804	920*	Requesting publication action	of SIR prior	to Examiner	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1,840*	1905	1,840*		of SIR after	Evaminer	
	1803	1,040	1803	1,040	action	OI OII CARE	LABITITIO	
	1251	110	2251	55	Extension for reply with	in first month	า	
	1252	410	2252	205	Extension for reply with	in second m	onth	
FEE CALCULATION	1253	930	2253	465	Extension for reply with	in third mont	th	
1. BASIC FILING FEE	1254	1,450	2254	725	Extension for reply with	in fourth mo	nth	
Large Entity Small Entity	1255	1,970	2255	985	Extension for reply with	in fifth montl	n	
Fee Fee Fee Fee Fee Description Fee Paid	1401	320	2401	160	Notice of Appeal			
Code (\$) Code (\$)	1402	320	2402	160	Filing a brief in support	of an appea	1	
1001 750 2001 375 Utility filing fee \$750.00	1403	280	2403	140	Request for oral hearin	n		
1002 330 2002 165 Design filing fee	ı				•	•		
1003 520 2003 260 Plant filing fee	1451	1,510	1451	1,510	Petition to institute a pu	ublic use pro	ceeding	
1004 750 2004 375 Reissue filing fee	1452	110	2452	55	Petition to revive - una	voidable		
1105 160 2005 80 Provisional filing fee	1453	1,300	2453	650	Petition to revive - unin	tentional	:	
SUBTOTAL (1) (\$) <u>750.00</u>	1501	1,300	2501	650	Utility issue fee (or reis	sue)		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1502	470	2502	235	Design issue fee			
Fee from Extra below Fee Paid	1503	630	2503	315	Plant issue fee			
Total Claims <u>4</u> - 20** = <u>0</u> X <u>18.00</u> = <u>\$0.00</u>	1460	130	1460	130	Petitions to the Commi	ssioner		
Indep. Claims <u>1</u> - 3** = <u>0</u> X <u>84.00 = \$0.00</u>	1907	, 50	1007	5 0	Processing for under 3	7 CED 1 17	(a)	
Multiple Dependent =	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)			
Large Entity Small Entity	1806	180	1806	180	Submission of Informat	tion Disclosu	re Stmt	
Fee Fee Fee Fee Fee Description Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties) \$40.00			\$40.00
1202 18 2202 9 Claims in excess of 20	1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))			
1201 84 2201 42 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	` "			
1203 280 2203 140 Multiple dependent claim, if not paid 1204 84 2204 42 **Reissue independent claims	1801	750	2801	375	For each additional invention to be examined (37 CFR 1.129(b))			
over original patent	1801	750	2001	3/3	Request for Continued Examination (RCE)			
1205 18 2205 9 **Reissue claims in excess of 20	1802	900	1802	900	Request for expedited application	examination	of a design	
and over original patent	Other fee (specify)							
SUBTOTAL (2) (\$) 0.00								
**or number previously paid, if greater; For Reissue, see above	* Red	luced by	Basic	Filing F	ee Paid	SUBTOTAL	_ (3) (\$) <u>4</u> 6	J.UU
SUBMITTED BY						Complete (if	applicable)	
Name (Print/Type) Theodore A. Wood	(Atto	tration N ney/Age	lo. nt)		52,374	Telephone	202-371	-2600
Signature Cles c. h. /s						Date	September	10, 2003



Robert Greene Sterne Edward J. Kessler Jorge A. Goldstein David K.S. Cornwell Robert W. Esmond Tracy-Gene G. Durkin Michael B. Ray Robert E. Sokohl Eric K. Steffe Michael O. Lee Eric K. Sterre Michael Q. Lee Steven R. Ludwig John M. Covert Linda E. Alcorn Robert C. Millonig Lawrence B. Bugaisky Donald J. Featherstone Michael V. Messinger Michael V. Messinger

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*Admitted only in Maryland * Admitted only in Virginia • Practice Limited to Federal Agencies

September 10, 2003

WRITER'S DIRECT NUMBER: (202) 772-8520 **INTERNET ADDRESS:** TWOOD@SKGF.COM

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

(Continuation of Appl. No. 10/214,327; Filed: August 8, 2002)

Appl. No. (To Be Assigned); Filed: Herewith

For: Method and System for Implementing Autonomous Automatic Gain

Control in a Low Noise Broadband Distribution Amplifier

Inventors:

Adel FANOUS et al.

Our Ref:

1875.1680008

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- PTO Fee Transmittal (Form PTO/SB/17); 1.
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

Method and System for Implementing Autonomous Automatic Gain Control in a Low Noise Broadband Distribution Amplifier

and naming as inventors:

Adel FANOUS Leonard DAUPHINEE Lawrence M. BURNS Donald McMULLIN

Sterne, Kessler, Goldstein & Fox P.L.L.C.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
- b. A copy of the executed Declaration, as originally filed in U.S. Appl. No. 10/214,327;
- c. A specification containing:
 - i. <u>33</u> pages of description prior to the claims;
 - ii. 2 pages of claims (4 claims 1 Independent);
 - iii. a one (1) page abstract;
- d. <u>23</u> sheets of drawings: (Figures <u>1-4, 5A-5B, 6, 7A-7B, 8A-8B, 9-11, 12A-12C, 13-15, 16A-16B, 17);</u>
- 4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
- 5. Recordation Form Cover Sheet;
- 6. A copy of the executed Assignment to <u>Broadcom Corporation</u>, as originally filed in U.S. Appl. No. <u>10/214,327</u>; recordation of which is hereby respectfully requested;
- 7. A copy of the executed Power of Attorney from Assignee as filed in U.S. Appl. No. <u>10/214,327</u>;
- 8. An Information Disclosure Statement (IDS);
- 9. A listing of the cited documents on Form PTO-1449 (1 page); (Copies of the documents were cited by the Office or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. 10/214,327, filed August 8, 2002, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached). (37 C.F.R. § 1.98(d));
- 10. Two (2) return postcards; and

Commissioner for Patents September 10, 2003 Page 3

11. Credit Card Payment Form PTO-2038 for \$790.00 to cover:

\$750.00 Filing fee for patent application;

\$_40.00 Assignment recordation fee.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Theodore A. Wood Attorney for Applicants

Registration No. 52,374

Enclosures

::ODMA\MHODMA\SKGF_DC1;161872;1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re application of:

Adel FANOUS et al.

Appl. No.: (To Be Assigned) (Continuation of

Appl. No. 10/214,327; Filed: August 8, 2002)

Filed: Herewith

For: Method and System for Implementing
Autonomous Automatic Gain Control in
a Low Noise Broadband Distribution

Amplifier

Confirmation No.: To Be Assigned

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 1875.1680008

Authorization To Treat A Reply As Incorporating An Extension Of Time Under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Theodore A. Wood Attorney for Applicants Registration No. 52,374

Date: September 10, 2003

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600